

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	109	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 15:26
S4	64	("3912614"   "4022256"   "4187883"   "4304257"   "4312332"   "4839017"   "4848722"   "4852851"   "4858883"   "4869282"   "4894253"   "4906439"   "4911801"   "4927516"   "4968400"   "4975175"   "4999069"   "5017494"   "5041181"   "5108532"   "5130161"   "5138881"   "5146785"   "5213675"   "5258111"   "5286364"   "5304487"   "5376252"   "5401376"   "5407992"   "5411765"   "5421982"   "5442030"   "5443890"   "5457087"   "5460890"   "5462628"   "5468374"   "5470644"   "5470693"   "5478751"   "5486335"   "5491097"   "5505321"   "5520788"   "5525405"   "5540828"   "5543222"   "5554339"   "5567297"   "5567330"   "5578188"   "5589396"   "5591519"   "5596038"   "5598989"   "5603820"   "5618760"   "5635358"   "5637469"   "5660370"   "5660728"   "5667851"   "5839722").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/09 15:30
S1	14331	diaphragm adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:39
S7	316	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:40
S6	14100	microfluidic\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:40

## EAST Search History

S2	12831	microfluidic\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:40
S12	114460	"417"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:47
S11	483	S5 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:47
S10	16534	S6 or S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:47
S9	3304	micropump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:47
S8	110	S5 same S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:47
S13	48	S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:48

## EAST Search History

S14	232	("20010047689"   "20020000649"   "20020012937"   "20020072201"   "20020131228"   "20020131230"   "20020185003"   "20020187618"   "20020197761"   "20030079543"   "20030079548"   "20030080839"   "20030081397"   "20030112096"   "20030201784"   "20040023236"   "20040145271"   "20040155555"   "20050035683"   "20050044955"   "20050079640"   "20050186117"   "20050205966"   "2567373"   "2588513"   "2978066"   "3118022"   "3397278"   "3405334"   "3487610"   "3715500"   "3731163"   "3742767"   "3786495"   "3858307"   "3924324"   "4047214"   "4102202"   "4115914"   "4126822"   "4160882"   "4166729"   "4285714"   "4288735"   "4375718"   "4490772"   "4504550"   "4513049"   "4581624"   "4585209"   "4626263"   "4626729"   "4701640"   "4716331"   "4736629"   "4789504"   "4789803"   "4794370"   "4874659"   "4905701"   "4922756"   "4944854"   "4945068"   "4958317"   "4996627"   "4997521"   "5020030"   "5050435"   "5051643"   "5054081"   "5057710"   "5081513"   "5082242"   "5088326"   "5092174"   "5095752"   "5096388"   "5108470"   "5112677"   "5118942"   "5129794"   "5132934"   "5143854"   "5156810"   "5164319"   "5180623"   "5189641"   "5207103"   "5228373"   "5231045"   "5238223"   "5256176"   "5262000"   "5284179"   "5284692"   "5323999"   "5334238"   "5336062"   "5348571"   "5349492"   "5355577"   "5365790"   "5367429"   "5380396"   "5392650"   "5417235"   "5417312"   "5419953"   "5441597"   "5445008"   "5474599"   "5488864"   "5491604"   "5496507"   "5512882"   "5519240"   "5520522"). PN. OR ("5526172"   "5567336"   "5578976"   "5591679"   "5593476"   "5593479"   "5596194"   "5616844"   "5635739"   "5640133"   "5668303"   "5671905"   "5677617"   "5698771"   "5739834"   "5747692"   "5771148"   "5777977"   "5788468"   "5793485"   "5798146"   "5807425"   "5812163"   "5839062"   "5846302"   "5846708"   "5871567"   "5874675"   "5897097"   "5908603"   "5914553"   "5919364"   "5920011"   "5941501"   "5955932"   "5959516"   "5967163"   "5969250"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/02 10:50
7/8/07 4:35:32 PM C:\Documents and Settings\Weisner\My Documents\EAST\Workspaces\10750533.wsp					Page 3	

## EAST Search History

S5	12031	diaphragm adj pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 10:59
S17	325252	diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 11:00
S16	48199	(gas or vacuum) near3 manifold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 11:00
S15	16534	micropump or S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 11:00
S18	615	S15 same S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 11:01
S20	61397	diaphragm near3 (valve or pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 14:47
S19	28	S16 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 14:47
S22	220	S20 same S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 14:48

## EAST Search History

S21	24155	microfluidic\$ or microchannel or microchamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 14:48
S23	2	("4714048"   "6129331").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/02 14:55
S24	131	137/832.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 14:58
S25	6	("3768521").URPN.	USPAT	OR	ON	2007/07/02 15:01
S27	21	("3267948"   "3318329"   "3326239"   "3433257"   "3539743"   "3540477"   "3540478"   "3559945"   "3584639"   "3593734"   "3605807"   "3612085"   "3682189").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/02 15:02
S26	16	("3016918"   "3080887"   "3335950"   "3433257"   "3540477"   "3550630"   "3613505"   "3651643"   "3688414"   "3768521").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/02 15:02
S28	1490	251/331.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 15:09
S29	17	S28 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 15:10
L2	14554	diaphragm adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:42
L1	28690	gas adj permeable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:42

## EAST Search History

L4	84	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:44
L3	22	1 same 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:44
L5	23885	microchannel or microfluidic\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:45
L7	48	((RICHARD) near2 (MATHIES)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:50
L15	12	((WILLIAM) near2 (GROVER)).INV.	EPO; JPO; DERWENT	OR	ON	2007/07/08 14:51
L14	21	((RICHARD) near2 (MATHIES)).INV.	EPO; JPO; DERWENT	OR	ON	2007/07/08 14:51
L13	3	((ROBERT) near2 (BLAZEJ)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:51
L12	480	((CHUNG) near2 (LIU)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:51
L11	4	((ERIC) near2 (LAGALLY)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:51
L10	2	((ALISON) near2 (SKELLEY)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:51
L9	3	((BRIAN) near2 (PAEGEL)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:51
L8	37	((WILLIAM) near2 (GROVER)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:51
L20	2	((ROBERT) near2 (BLAZEJ)).INV.	EPO; JPO; DERWENT	OR	ON	2007/07/08 14:52
L19	69	((CHUNG) near2 (LIU)).INV.	EPO; JPO; DERWENT	OR	ON	2007/07/08 14:52
L18	2	((ERIC) near2 (LAGALLY)).INV.	EPO; JPO; DERWENT	OR	ON	2007/07/08 14:52
L17	2	((ALISON) near2 (SKELLEY)).INV.	EPO; JPO; DERWENT	OR	ON	2007/07/08 14:52
L16	2	((BRIAN) near2 (PAEGEL)).INV.	EPO; JPO; DERWENT	OR	ON	2007/07/08 14:52

## EAST Search History

L6	18	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:53
L23	623960	2 or 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:54
L22	610618	membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:54
L21	661	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:54
L25	19	("20040008687" "5376252" "6379929" "6408878" "6605454" "6623613" "6752922" "6793753" "6802342" "6829753" "6885982" "6899137" "6929030" "6951632" "6953058" "6960437" "7005493" "D486156" "D488818").PN.	US-PGPUB; USPAT	OR	ON	2007/07/08 14:57
L24	51	21 and 23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 14:57
L27	1	("5932799").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/08 16:05
L26	75	"5932799"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:05